

ENGLISH



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User manual

RCCB **63 A 30 mA Type A** with automatic reclosing

Ref. SBLGY63AX2P (2P, single-phase) · SBLGY63AX4P (4P,
three-phase) · Type A & AC

For qualified electricians. Install and wire the device with the supply switched off, in accordance with the wiring rules in force.

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1 Safety

! Risk of electric shock. Installation, wiring and any work on this device must be carried out by a qualified electrician, with the supply switched off, secured against reconnection and checked dead, in accordance with the wiring rules in force in your country.

- Read this manual before installing the device and keep it with the documents of the distribution board.
- Install the device only inside a closed distribution board, indoors, in a dry place.
- Do not exceed the ratings: 63 A; 230 V~ (2P) or 230/400 V~ (4P); 50/60 Hz.
- **This RCCB does not protect against overload or short circuit.** Protect it as required by the wiring rules, for example with a circuit breaker rated 63 A or less upstream, and protect each outgoing circuit with its own circuit breaker.
- The device can switch the installation back on by itself (automatic reclosing) or on an external command (remote control input). Before working on the installation, engage the **LOCK**, isolate the supply upstream, secure it against reconnection and check that the circuits are dead.
- Do not open, repair or modify the device, and do not separate the module from the RCCB. If the device is damaged, behaves abnormally or does not trip when tested, have it replaced.

2 Your RCCB

The SBLGY63AX is a residual current circuit breaker (RCCB) 63 A, 30 mA, Type A & AC, assembled with a motorised module, one module wide, that switches it back on automatically after a trip. It needs no app and no internet connection.

Version	Network	Width
SBLGY63AX2P	single-phase: N + L, 230 V~	3 DIN modules
SBLGY63AX4P	three-phase: N + 3 phases, 230/400 V~	5 DIN modules

- ✓ **Residual current protection, 30 mA, Type A & AC:** protects people against electric shock by detecting leakage currents to earth, including the pulsating DC leakage currents produced by many electronic appliances. Tripping does not depend on the supply voltage.

- ✓ **Automatic reclosing:** up to 3 attempts after a trip, after 10 seconds, 60 seconds and 300 seconds (section 7).
- ✓ **Three operating modes:** automatic, manual, and closing lock for maintenance (section 4).
- ✓ **Remote control input:** switch it on and off with an external contact — timer switch, relay or remote control module (section 8).



- 1 Green connector:** 1 (A1) and 2 (A2) supply of the module; 3 (OFF) and 4 (ON) remote control input.
- 2 PWR indicator light** (section 5).
- 3 AUTO / MANU selector** (section 4).
- 4 LOCK:** closing lock, can be padlocked.
- 5 Test button T.**
- 6 Operating lever:** up = on, down = off.
- 7 Supply terminals:** N, L (2P) or N, 1, 3, 5 (4P).
- 8 Load terminals:** N, L (2P) or N, 2, 4, 6 (4P).

3 Installation

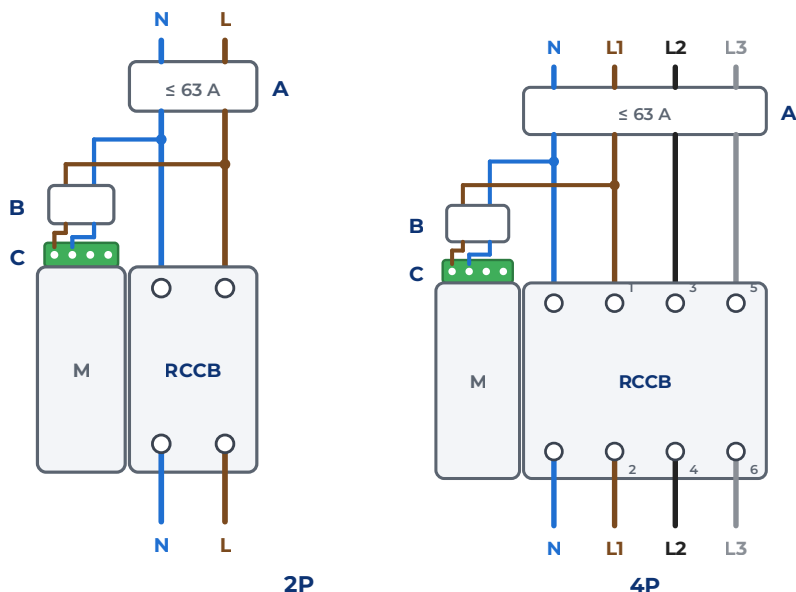
- !** Switch off the supply upstream, secure it against reconnection and check that the conductors are dead before you start.

Install the device at the head of the distribution board or of the line it protects.

- 1** Clip the device onto a 35 mm DIN rail.
- 2** Connect the **supply** to the upper terminals: **N** and **L** (2P), or **N, 1, 3, 5** for the neutral and the three phases (4P).
- 3** Connect the **outgoing circuits** to the lower terminals: **N** and **L** (2P), or **N, 2, 4, 6** (4P).
- 4** Tighten the terminals of the RCCB to **3.0 N·m** (cables up to 35 mm²).
- 5** **Supply the module:** connect terminal **1 (A1)** of the green connector to a phase and terminal **2 (A2)** to the neutral, both taken **upstream** of the RCCB (230 V~). On the 4P

version, use one of the three phases. Per terminal: one conductor up to 2.5 mm² or two conductors up to 1.5 mm².

- 6 Leave terminals **3 (OFF)** and **4 (ON)** free if you do not use the remote control input (section 8).
- 7 Pull gently on each conductor to check that it is held, then refit the cover of the distribution board.



A upstream protection, 63 A maximum · B protection of the module supply · C green connector of the module (M) · terminals 1 (A1) phase, 2 (A2) neutral

! The module must be supplied from upstream of the RCCB. It then stays powered when the RCCB is open. If it is supplied downstream, automatic reclosing and the remote control input cannot work.

- Like any conductor, the supply wires of the module must be protected against overcurrent according to their cross-section, for example by a small circuit breaker dedicated to the module.
- The neutral of the protected circuits must come from the N terminal of this RCCB only. A neutral shared with another circuit makes the device trip.

4 Operating modes

Control	What it does
AUTO	Automatic reclosing on; the remote control input is active. Position for everyday operation.
MANU	Automatic reclosing and remote control input off: the RCCB is operated with the lever only.
LOCK	Closing lock: slide it down to prevent the RCCB from being switched on, by hand or automatically. Use it during work on the installation; it can be padlocked.

5 Indicator light

	Green, flashing for 2 s	The module has just been powered: it waits for the supply to stabilise.
	Green, steady	Normal operation.
	Red, flashing	The RCCB has tripped: an automatic reclosing attempt is pending.
	Red, steady	The RCCB has tripped and will not switch back on by itself (3 attempts used, or MANU mode).
	Off	The module is not supplied: check terminals 1 and 2.

When the RCCB is switched off normally through the remote control input, the light does not turn red.

6 Switching on and testing

- 1 Set the selector to **AUTO** and check that the **LOCK** is released.
- 2 Switch the supply back on upstream: the light flashes green for 2 seconds, then stays green.
- 3 Raise the lever to switch the RCCB on.

Monthly test

- 1 Set the selector to **MANU**, so that the RCCB does not switch back on by itself during the test.
- 2 Press the **test button T**: the RCCB must trip and the lever drops.
- 3 Raise the lever, then set the selector back to **AUTO**.

i Repeat this test **once a month**. If the RCCB does not trip when you press T, it no longer protects: have it replaced.

7 Automatic reclosing

With the selector on **AUTO**, the RCCB switches back on by itself after a trip:

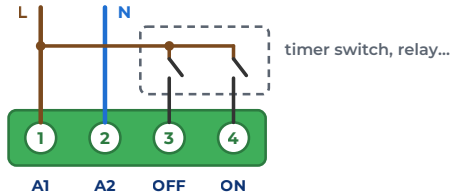
Trip	What the RCCB does
1st trip	switches back on after 10 seconds (attempt 1)
2nd trip within 15 min	switches back on after 60 seconds (attempt 2)
3rd trip within 15 min	switches back on after 300 seconds (attempt 3)
4th trip within 15 min	stays off (red light steady): switch it back on with the lever, or through the remote control input, once the fault has been repaired

- If the RCCB stays on for **15 minutes** without tripping, the count goes back to zero.
- To reset the count yourself, move the selector from **AUTO** to **MANU** and back to **AUTO**.
- To switch automatic reclosing off, leave the selector on **MANU**.

! Automatic reclosing does not repair anything. A trip that repeats shows a leakage fault in the installation or in an appliance: have it located and repaired.

8 Remote control input

With the selector on **AUTO**, an external device — timer switch, relay, remote control module (GSM, Wi-Fi...) — can switch the RCCB on and off:



- A contact between terminal **1 (A1)** and terminal **4 (ON)** switches the RCCB **on**.
- A contact between terminal **1 (A1)** and terminal **3 (OFF)** switches it **off**.
- In **MANU** mode the input has no effect; with the **LOCK** engaged, the RCCB cannot be switched on.



Terminals 3 and 4 are at mains voltage. Use only switching devices rated for 230 V~ and wire them like a mains circuit.

9 Troubleshooting

The RCCB cannot be switched on.

Check that the **LOCK** is released. For switching on through the remote control input, check that the selector is on **AUTO** and that the light is on (module supplied).

It trips as soon as it is switched on.

A leakage fault is present downstream. Switch off the outgoing circuit breakers, then switch them back on one by one to find the faulty circuit, and then the faulty appliance. Check that no neutral is shared with another circuit.

It trips for no apparent reason.

Small leakages add up when many electronic appliances are connected downstream of the same RCCB, and damp or ageing appliances leak more. Spread the circuits over several residual current devices if necessary.

It does not switch back on by itself.

Check that the selector is on **AUTO**. If the light is steady red, the 3 attempts have been used (section 7). If the light is off, the module is not supplied: check terminals 1 and 2 and that they are supplied from upstream of the RCCB.

The RCCB does not trip when you press T.

It no longer protects: have it replaced.

10 Technical specifications

Reference	SBLGY63AX2P	SBLGY63AX4P
Type	RCCB — residual current circuit breaker without overcurrent protection, with automatic reclosing module	
Product standard	EN 61008-1	
Poles	2 (N + L)	4 (N + 3 phases)
Rated voltage Ue	230 V~	230/400 V~
Frequency	50/60 Hz	
Rated current In	63 A	
Residual current IΔn	30 mA, Type A (Type AC included), electromagnetic	
Rated residual making and breaking capacity IΔm	630 A	630 A
Rated conditional short-circuit current Inc = IΔc	10 kA	10 kA
Insulation voltage Ui	500 V	
Impulse withstand voltage Uimp	6 kV	
Endurance	electrical 4,000 operations; mechanical 10,000 operations	
Module supply	230 V~ on A1–A2; 1 VA on standby, 20 VA when operating	
Automatic reclosing	3 attempts: after 10 s, 60 s and 300 s; count reset after 15 min without trip	
Terminals	RCCB: 35 mm ² , 3.0 N·m — module: 1 × 2.5 mm ² or 2 × 1.5 mm ²	
Dimensions (H × W × D)	82 × 54 × 70 mm (3 modules)	82 × 90 × 70 mm (5 modules)
Protection degree	IP20	
Operating temperature	–5 to +40 °C	
Storage temperature	–35 to +70 °C	

Mounting

35 mm DIN rail, in a distribution board, indoors

11 Warranty, disposal and compliance

Warranty. This product is covered by the legal guarantee of conformity (2 years in the EU) from the date of purchase, under normal use. The guarantee does not cover wear, incorrect installation or wiring, use outside the ratings, exposure to water or opening of the device. Return transport costs are borne by the customer. Keep your proof of purchase.

Manufacturer: BGA SAS – 36 boulevard du Montparnasse – 75015 Paris – France.

Documentation: www.wizelek.com.



Disposal. Do not dispose of this product with household waste. Electrical and electronic equipment must be taken to a collection point for recycling (WEEE Directive 2012/19/EU).

CE marking: the EU declaration of conformity is available from the manufacturer on request.

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